

Excellence Inside



Brose at a glance



approximately



employees



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24 countries

(As of 01.04.2025)

Excellence in mechatronics

Brose is one of the world's top five family-owned automotive suppliers. Specializing in mechatronics, we develop and deliver smart components and systems for vehicle doors and seats – alongside electric motors for transmissions, steering, thermal management, and drive systems for two-wheelers. Our proven system expertise is trusted by over 80 automakers and 40 key suppliers around the globe.



Technology for doors and tailgates

Brose's success story began with the "crank drive for retractable windows". Today, we are the world market leader in the development and production of mechatronic systems for vehicle doors and tailgates. In the vehicle exterior sector, Brose stands for comfort and safety. We have transferred this expertise to side doors, enabling a new comfort experience when entering a vehicle. Our wide-ranging portfolio includes all necessary components – from the electrically opening lock and side door drive to the electronics and sensors for collision and pinch protection.



Adjustment systems for seat structures

Autonomous driving and electromobility call for new, dynamic interior concepts. To meet these demands, Brose offers innovative mechatronic systems and solutions – ranging from manual adjustment mechanisms to fully electric seats with lumbar support and massage functions. Our systems enable flexible interior design while always delivering on our promise: comfort and safety for every passenger.

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Electric motors and drives

Our products support a wide range of applications – including thermal management, drivetrain systems, steering, and braking. They also power window regulators, seats, tailgates, and side doors. By improving efficiency in both conventional and electric vehicles, our components help reduce energy consumption, extend driving range, and support greater sustainability. We also offer tailored solutions for the growing field of micromobility.



Comfortable access

When approaching, the car recognizes its driver and greet them via their smartphone. It communicates wirelessly with the vehicle, which automatically opens the driver's door. At the same time, the steering wheel and seat adjust for comfortable entry.

This new access experience is made possible by combining our expertise in vehicle access and interior. Our portfolio includes everything required – from electrically operated latches and side door drives to sensors for collision and anti-pinch protection. We build on decades of experience as a market leader in powered tailgate systems to shape the future of smart entry solutions.



Proven high-performance sensor technology

A simple gesture or foot movement is enough to automatically open doors or flaps. During operation, integrated sensors detect obstacles and stop movement to prevent potential collisions. The same principle applies to interior features, such as seats that move or fold down automatically.

To protect passengers from injury and prevent vehicle damage, Brose has developed high-performance sensors. Their precise and reliable functionality forms the foundation for many of today's intelligent motion features.





Everything from a single source

A new generation of Brose control units manages all electronic functions within the door – from the window regulator and darkening windows to the side door drive. Brose is the only supplier to offer all the necessary components from a single source. Our system expertise enables innovative functions that help shape the future of mobility.

More safety

At low speeds, electric vehicles move almost silently, posing a risk as other road users may not hear them in time. As a result, global regulations now require acoustic warning systems to improve the audibility of electric vehicles.

When developing our own acoustic warning system (AVAS), we drew on sound design technologies used in side doors, as well as the expertise of our in-house acoustics experts. The result: a high-performance warning system that delivers a strong acoustic signal – despite its compact, waterproof, and dustproof housing – developed in a remarkably short time.

Relaxed loading

Once purely functional load carriers, pickup trucks have evolved into everyday family vehicles – and with that, customer expectations for comfort have increased. One key example is the demand for smoother, more convenient loading and unloading through the tailgate.

To meet this need, Brose has developed a smart tailgate access system, based on our proven side door drive technology. The system includes locking mechanisms, a control unit, gesture recognition, and a compact drive unit – which is only half the size of comparable products.

This space-saving design helps reduce cost and weight, making it ideal for use in tight installation spaces.





Dynamic seating for comfort and safety

Lean back, stretch out, and relax. Today's vehicle interiors offer increasing levels of comfort, including reclining seats with integrated seat belts. But when an accident is imminent, every second counts: passengers must be quickly returned to an upright, safe position before impact.

We have applied our extensive experience in drive technology to the development of electronically commutated motors for seat adjustment. These motors operate faster and more quietly than conventional variants.

In the event of an imminent collision, the drives instantly move the seat to a secure position within milliseconds.



With the growing importance of autonomous driving, the ability to quickly return the seat to the driving position is becoming essential – allowing the driver to respond immediately when prompted to take control.

To further enhance safety, vibration elements with haptic feedback alert drivers to potential hazards – such as lane departures or microsleep.

The vibration massage feature helps prevent fatigue and can even create a new kind of audio experience. Specially developed algorithms convert signals from the sound system into rhythmic massage patterns, increasing both alertness and music enjoyment.

Expertise in seating structures

Car seats must do more than offer comfort – especially on long journeys. They are also crucial to passenger safety, integrating features such as airbags, seatbelt systems, and crash-active head restraints to protect occupants in the event of a collision.

We supply approximately 14 million front and rear seat structures to vehicle manufacturers worldwide every year. Our portfolio ranges from manual adjustments to power seat structures with lumbar support and massage functions.

Beyond seat structures, we offer mechatronic systems for the entire vehicle interior, such as electrically adjustable center consoles. By networking mechatronic components through sensors and intelligent software, Brose enables smart, integrated solutions that redefine how passengers experience the vehicle interior.



Versatile interior

In the future, vehicle users will decide how they want to spend their journey. Whether working, relaxing or taking the wheel themselves – electronically controlled seats, screens and stowage compartments will automatically move into the ideal position, while the air conditioning system adjusts airflow to suit each passenger.

Our innovative rail system allows interior elements to be positioned independently, creating a new level of flexibility. On request, the rear seat can transform into two individual, electrically adjustable seats – providing enhanced comfort for a more relaxed driving experience. Need more room for cargo? The interior can adapt at the push of a button – moving seats to the rear or folding them flat to maximize the loading area.

Thanks to cargo modules integrated into the seat rail, the entire vehicle can transform into a functional cargo space. These modules allow for secure transport of boxes or even docking of e-scooters, and they are equipped with data and power interfaces to support additional features like battery charging.

Complete seating systems

Seats are a key differentiator in interior design and play a central role in creating a premium in-vehicle experience. Our joint venture Brose Sitech brings deep expertise in the development, assembly, and logistics of complete seating systems. Together, we have brought our vision of the car seat of the future to life – slim silhouette, clean lines, futuristic design, without compromising on comfort and safety.

A smart layout of standard adjustment mechanisms enables greater design flexibility for contours, padding, and seams. The seat also features an individually adjustable head and neck support, and a height-adjustable footrest that transforms into a leg rest at the touch of a button – delivering personalized comfort for every journey.





Increase efficiency

The global shift toward electric mobility is accelerating – and for us, it opens up promising growth opportunities through climate-friendly innovation. Our electric auxiliary units increase the efficiency of vehicles of all drive types in equal measure. This reduces energy consumption, increases range and contributes to sustainability.

The cooling fan module plays a crucial role in vehicle comfort, efficiency, and performance. We develop highly efficient modules for both combustion engines and the latest generation of battery-electric vehicles. As an essential component of thermal management, optimal heat exchange between the ambient air and the cooling circuit in the engine compartment. They precisely regulate the temperature of the powertrain, battery, and interior – ensuring ideal performance under all operating conditions. In addition to its lightweight and flat design, our module stands out for its low noise level and minimal power consumption. At the heart of the system is a brushless drive, supported by a patented impeller and frame design that ensures optimal airflow. These features make our cooling fan modules a benchmark in aerodynamic efficiency and aeroacoustic performance.

With an output range from 300 to 1,500 watts and available in both 12-volt and 48-volt variants, our fan modules are suitable for everything from compact cars to large SUVs.

An advanced version of the product integrates one or more heat exchangers directly into the cooling fan module. This allows manufacturers to receive a fully coordinated, all-in-one thermal management system – streamlining design and improving overall efficiency.



Full driving dynamics

Our transmission actuators increase the efficiency of automatic transmissions by enabling start-stop functionality and faster gear shifts.

The automatic start-stop system and coasting function help reduce fuel consumption and CO_2 emissions by switching off the combustion engine when it's not needed – applicable to both hybrid and conventional vehicles.

A key component of the system is Brose's electric oil pump, which maintains hydraulic pressure in the transmission. This ensures smooth, dynamic driving performance and instant engine restarts, while also contributing to calmer, gentler gear operation.





Optimal agility

Our steering motors facilitate the movement of the steering wheel, improving handling and agility – especially in heavier electric vehicles. This will make heavy electric cars in particular agile again. For vehicles with a long wheelbase and large vehicle mass, our rear-axle steering engines ensure good maneuverability. All our steering motors can be used in conventional as well as steer-bywire steering systems.

Improved braking performance

Brake boosters are essential in all vehicles—and play an even more critical role in electric vehicles. In this context, the optimized interaction of wheel and engine brakes increases the range. Our drive systems amplify the driver's braking force in a comfortable and responsive manner. At the same time, the precise control meets the highest safety requirements.

Electric two-wheelers and batterypowered light vehicles

We are leveraging our decades of experience in the development and manufacture of electric drives for the automotive industry to expand into new segments, positioning ourselves as a system supplier beyond traditional vehicle applications.

Driven by environmental and climate laws, Asia is emerging as a promising market for electric two-wheelers such as scooters and motorcycles. To tap into this potential, we have been supplying motors, control units, and power electronics for e-scooters in India since 2022 – contributing to improved air quality, particularly in urban areas. Our compact drive system with integrated power electronics is more efficient than conventional solutions, enabling up to 20 percent more range while maintaining agile handling thanks to its lightweight design.

With a power range of 3 to 20 kilowatt, our portfolio also includes scalable drive solutions for electric two-wheelers and battery-powered light vehicles with three or four wheels.



Our responsibility for a sustainable future

Sustainable action is a central component of our corporate strategy. We focus on environmental, economic, and social responsibility to create long-term value. In doing so, we are concentrating on four central fields of action.



Energy & Environment

Climate neutrality as a goal

Protecting the environment is a central obligation for us. That is why we will operate our sites in a carbon-neutral manner from 2025. We achieve this by consistently reducing our energy consumption and using green electricity and sustainable energy sources. Where emissions are unavoidable, we offset them with high-quality climate protection projects. With these measures, we are setting standards for sustainable production in the automotive industry.



Products & Innovations

Sustainability starts with design

Our mechatronic systems improve vehicle energy efficiency and actively contribute to climate protection. From the development phase onward, we focus on using sustainable materials with a low CO_2 footprint and designing products to be recyclable at the end of their life cycle. Our electrified auxiliary units help to reduce energy consumption and pollutant emissions. By 2039, we will offer a CO_2 -neutral product portfolio – across the entire supply chain.



Suppliers & Supply Chain

Overall responsibility for value creation

For us, sustainability does not stop at the factory gate. We set high environmental and social standards for our suppliers and select business partners according to sustainable criteria. Together, we develop solutions to reduce CO_2 emissions across the entire supply chain. As a member of the Responsible Supply Chain Initiative (RSCI), we are also committed to ensuring compliance with human rights and fair working conditions. In this way, we ensure that sustainability is embedded throughout the entire value chain.

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People & Society

Sustainability is teamwork

Our employees are our most valuable asset capital. That's why we offer an attractive working environment with flexible working models, personalized training opportunities, and comprehensive health protection.

Our commitment goes beyond the company: We support social, cultural and sports initiatives in 20 countries, including projects like educational programs for disadvantaged children. As a family-owned company, we act with future generations in mind and are dedicated to fostering fair and respectful collaboration – both within our organization and in the communities we serve.

¹ Balance sheet CO₂-neutral means avoiding and reducing CO₂ emissions caused by our own corporate activities (Scope 1 and 2) and in the upstream supply chain (Scope 3 Upstream) and offsetting unavoidable emissions through certified environmental projects. Scope 1, 2 and 3 are used in accordance with the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard.

² CO₂ emissions generated by the company's own activities (Scope 1 and 2) and in the upstream supply chain (Scope 3 Upstream) are taken into account, as well as the offsetting of unavoidable emissions through certified environmental projects. Scope 1, 2 and 3 are used in accordance with the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard.

³ Balance sheet CO₂-neutral operation means the avoidance and reduction of CO₂ emissions caused by the company's own activities (Scope 1 and 2) and the offsetting of unavoidable emissions through certified environmental projects. Scope 1 and 2 are used in accordance with the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard. Joint ventures are not taken into account.



Global presence, close to our customers

* including South Africa (As of 01.04.2025)

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